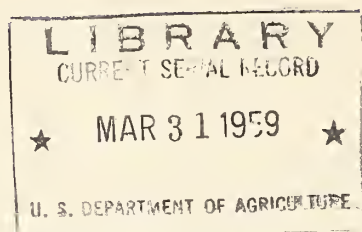
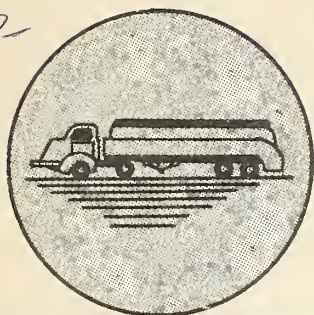


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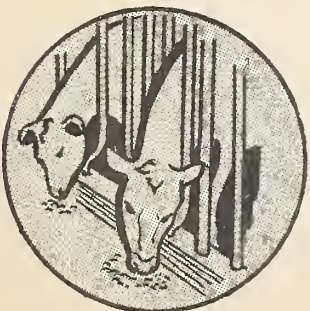
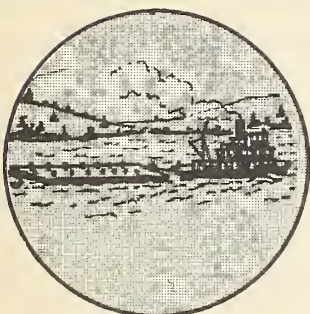


# *Molasses*

## FEED and INDUSTRIAL

*Annual Market Summary*

# 1958



UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Marketing Service  
Washington, D.C.

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Prepared by the Grain Division  
March 1959

## FEED AND INDUSTRIAL MOLASSES - ANNUAL MARKET SUMMARY

### HIGHLIGHTS OF 1958

Lower average prices, larger supplies, and record usage for livestock feeding were highlights of the feed and industrial molasses market in 1958. Although prices of blackstrap, beet, citrus, and corn (hydrol) molasses averaged lower than in 1957, they held relatively stable throughout 1958. Larger U. S. molasses supplies came from a 45-percent increase in imports, since domestic production and shipments from Hawaii and Puerto Rico were down slightly. Molasses used in livestock feeding during 1958 increased 29 percent over the year before and topped the previous record in 1955 by about one million gallons. Molasses used in alcohol production was only slightly above the previous year's low level as a 15-percent increase in usage for making ethyl alcohol was partly offset by less usage in the production of other alcohol products and distilled spirits. The price ratio between molasses and other carbohydrate feeds became more favorable for molasses in 1958 since average molasses prices lost more ground than prices of other carbohydrate feeds.

### PRICES

#### Blackstrap Molasses

Blackstrap molasses prices in 1958 averaged 13.8¢ per gallon at New Orleans, 6.4¢ under the 1957 average. Sharply lower prices generally reflected the improved supply situation, an abundance of pastures and other carbohydrate feeds, and strong buyer resistance. Although the average was down, prices fluctuated within a narrow range during 1958 --- less than 2¢ per gallon between the high of 14.4¢ in July and the low of 12.6¢ in December. The sale of 115 million gallons of 1958-crop blackstrap molasses at 10.25¢ per gallon by Cuba in July 1957 for export largely to the United States had a stabilizing influence on U. S. prices. After reaching the mid-December low, prices turned upward the final two weeks of 1958 as uncertainty over Cuban supplies mounted.

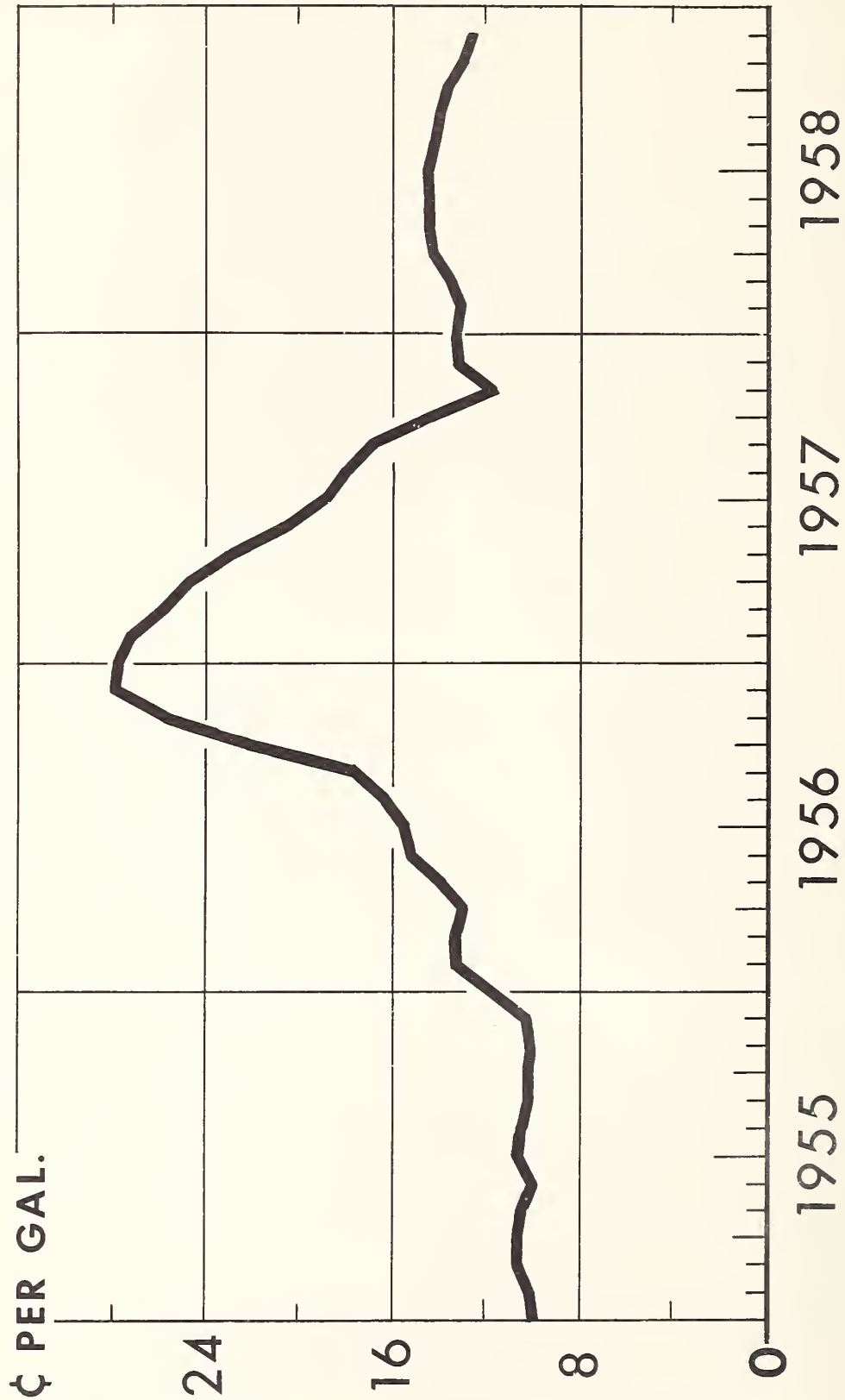
Molasses prices in the Northeast - New York, Boston, Albany and Buffalo - held steady during the first nine months of 1958, reflecting moderate to good demand. However, prices went down 1¢ per gallon in October and again in December. The difference between the year's high and low prices was only 2¢ per gallon in the Northeast. The widest spread between New York and New Orleans prices was 4¢ per gallon at the end of September. The downturn in the Philadelphia-Baltimore-Norfolk area prices came earlier than in the Northeast -- between June and September. Prices in the Southeastern States held relatively steady until the final two months of 1958 when the market declined.

Cane feeding molasses generally sold throughout the Midwest States at New Orleans prices plus tank car freight to point of destination. This situation prevailed even though river barge transportation was available to several points at



# MOLASSES PRICES

F.O.B. Tank Car, New Orleans



U. S. DEPARTMENT OF AGRICULTURE

NEG. 7065-59 (2)

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FIGURE 1

lower rates than for tank cars. Consequently, molasses prices at Chicago, St. Louis and Kansas City closely followed the New Orleans trend. Minneapolis prices, on the other hand, were slightly less than New Orleans plus tank car freight during a considerable part of 1958.

West Coast molasses prices were steady at 14.6¢ per gallon from January through October, but declined 1.1¢ to the year's low of 13.5¢ in December. More stability of prices on the West Coast than in other parts of the country was due partly to more general use of longer term contracts between distributors and users and to a more uniform demand situation in the West.

#### Beet Molasses

Prices of beet molasses in the principal producing areas in 1958 averaged 14 percent or \$5.29 per ton less than in 1957 and the lowest since 1955. As in the blackstrap market, beet molasses prices held steady most of the year. However, prices dropped \$4.00 per ton during the last quarter in the Oregon, Utah, Idaho, and Missoula, Montana area, and the Denver price went down \$1.00 the last two months of 1958. Beet molasses prices in all areas were below those for blackstrap.

#### Citrus Molasses

Prices of citrus molasses at Florida points in 1958 averaged 21 percent or around \$5.00 per ton lower than 1957 and were the lowest since 1955. Unlike blackstrap and beet molasses, citrus molasses hit their low point early in the year - during February - and advanced steadily to their high point in September. This upswing reflected limited supplies following freeze damage to citrus fruit in January and February. However, prices weakened in October and November as new supplies hit the market but strengthened again in December.

#### Corn (Hydrol) Molasses

Hydrol molasses prices in 1958 averaged 38 percent or \$13.68 per ton lower than in 1957. Prices were at their peak in January and at their low in September. Prices were much more uniform in 1958 than in the previous year. While the spread between the high and low prices was only \$3.30 per ton in 1958, it was \$22.50 the year before.

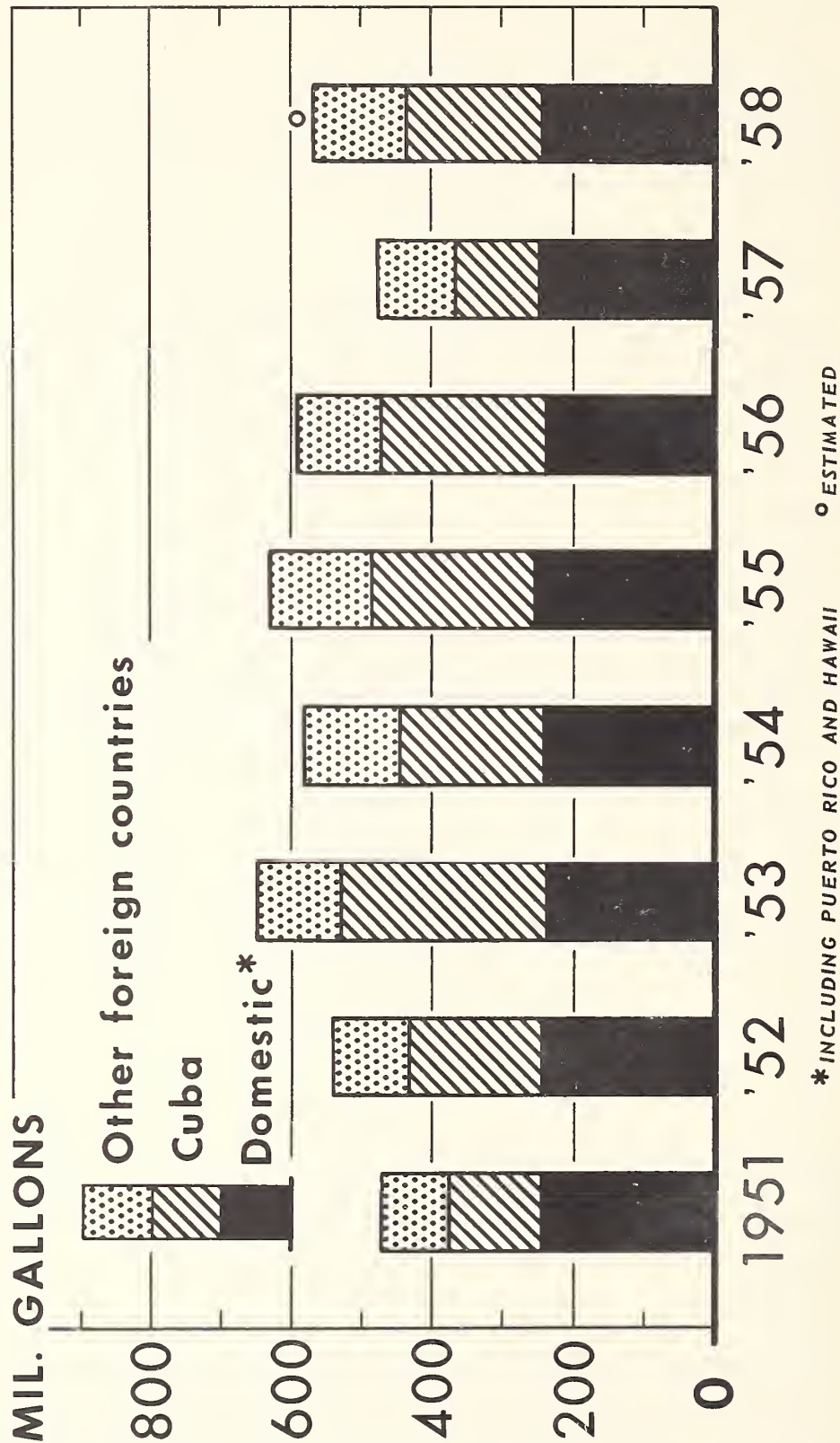
### SUPPLIES

Feed and industrial molasses supplies in 1958 were estimated at about 575 million gallons -- 21 percent more than the 475 million gallons available in 1957 but 11 percent under the record 648 million gallons in 1953. The 1958 increase in supplies reversed the downward trend of the two previous years.

#### Domestic Supplies

Domestic sources, including Hawaii and Puerto Rico, furnished around 42 percent of total 1958 molasses supplies. A year earlier, these sources accounted for about 52 percent of the supply. Production of 40 million gallons of blackstrap molasses by mainland cane mills was six percent lower than in 1957. The 62 million

# MOLASSES SUPPLY BY MAJOR SOURCES



U. S. DEPARTMENT OF AGRICULTURE

NEG. 1180-59 (2) AGRICULTURAL MARKETING SERVICE

FIGURE 2



gallons of beet molasses produced in 1958 was about two percent under the record 63 million gallons produced a year earlier. Refiners' blackstrap production, at 40 million gallons, was up two percent. Citrus molasses supplies dropped 40 percent to about 6 million gallons -- the smallest since 1945. Production of corn (hydrol) molasses increased 25 percent and totaled around 20 million gallons -- the largest for any year since 1950. Hawaiian cane molasses shipments to the United States in 1958 dropped to 44 million gallons, 19 percent or 10 million gallons less than the record shipments of 54 million gallons in 1957. On the other hand, shipments to the United States from Puerto Rico went up 42 percent and reached 29 million gallons in 1958.

### Imports

U. S. imports of molasses from foreign countries in 1958 totaled nearly 336 million gallons, about 58 percent of the total U. S. supply. Imports were 45 percent larger than the previous year but 18 percent below the record 411 million gallons imported in 1953. Cuba, which furnished about 57 percent of the molasses imported into this country, shipped nearly 190 million gallons to the United States in 1958. This was about 62 percent above the relatively small imports from Cuba in 1957. Imports from Cuba included 18 million gallons of invert molasses in 1958 compared to none the previous year. Imports from Mexico -- the second largest foreign source of blackstrap molasses for the United States -- amounted to more than 46 million gallons in 1958, 16 percent more than the 40 million imported in 1957. Dominican Republic shipments increased about 3 million gallons and totaled slightly under 25 million. Imports from other foreign countries amounted to nearly 75 million gallons in 1958 -- 43 percent more than 1957 and the second largest in 18 years of record. Some of the larger imports came from Jamaica, the Netherlands, France, and Egypt.

### Exports

U. S. molasses exports in 1958 were mainly from Puerto Rico and Hawaii since the mainland is primarily an importer. Exports dropped 23 percent below 1957 and totaled around 17 million gallons. Of these, only 2 million gallons or 12 percent came from the mainland compared with 2.5 million the previous year. Exports from Puerto Rico to other countries amounted to a little over 10 million gallons, a drop of nearly 50 percent from 1957. Hawaiian exports, on the other hand, topped 4.5 million gallons. No molasses was exported to other countries from Hawaii in 1957. About 70 percent of the molasses exported from the United States, Puerto Rico and Hawaii went to the United Kingdom, about 23 percent to Canada, six percent to the Netherlands, and the balance to other countries.

### UTILIZATION

Molasses utilization in 1958 totaled 575.3 million gallons, 21 percent more than the year before but 11 percent less than the record 648 million gallons used in 1953. Of the total molasses used, three-fourths or a record 428.6 million gallons went for livestock feed. This compares with 70 percent or 332.2 million gallons fed to livestock in 1957. 1/

1/ The quantity of molasses used for feed is a residual item, computed by deducting the known amount used for other purposes from the total supply without considering changes in stocks.

Production of yeast, citric acid and vinegar took 70 million gallons of molasses in 1958, the same as a year earlier and the second largest use made of molasses. An additional 15 million gallons - 1 million more than in 1957 - were used in making edible molasses and sirups.

Molasses used in the production of alcohol and distilled spirits in 1958 totaled 61.7 million gallons. This was about four percent more than in 1957 but was the second smallest usage for this purpose in 18 years of record. Eighty-four percent of the molasses used to produce alcohol and distilled spirits or 51.8 million gallons went into the production of ethyl alcohol. A year earlier, 76 percent of the molasses used or 45.2 million gallons went into ethyl alcohol production.

Production of ethyl alcohol in 1958 required an average of nearly 5.6 million gallons of molasses per month the first half of the year and slightly over 3.0 million gallons per month the last half. This was a sharp contrast to 1957 when molasses usage averaged only 1.5 million gallons per month the first six months and slightly over 6.0 million the last six months.

Molasses used to make alcohol products other than ethyl alcohol in 1958 totaled 7.3 million gallons, 4.0 million less than 1957. The 2.5 million gallons of molasses used to produce distilled spirits - chiefly rum and gin - were down slightly from the 2.8 million gallons used in 1957.

#### MOLASSES AND CORN PRICES

Cost difference between molasses and corn in 1958 favored molasses by 41.3¢ in New York and 2.4¢ in Chicago but favored corn by 7.4¢ in Kansas City. A year earlier, molasses costs in all three markets were above corn. <sup>1/</sup> Corn prices showed very little change between 1958 and 1957, but molasses prices averaged sharply lower.

The cost of 6 1/2 gallons of molasses dropped 49¢ in New York during 1958, while the price of one bushel of corn declined less than 1¢. Corn prices went down 3.7¢ per bushel at Chicago, while the cost of 6 1/2 gallons of molasses fell 76¢. This resulted in prices favoring molasses by 2.4¢ for 1958 as against a difference of 70.1¢ in favor of corn in 1957. At Kansas City, corn prices came down 10.4¢ while molasses dropped 76.8¢ on 6 1/2 gallons. Corn enjoyed a more favorable position by 7.4¢, but this was a sharp contrast to the difference of 73.8¢ that corn held over molasses in 1957.

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<sup>1/</sup> A "rule of thumb" measure -- that 6 1/2 gallons of molasses are about equivalent in carbohydrate value to one bushel of corn -- has been widely used in comparing the carbohydrate value of molasses and corn. This measure is based on experiments conducted to evaluate the energy produced from one bushel of corn and the amount of molasses required to equal this production.

## INDUSTRIAL ALCOHOL PRODUCTION

### Ethyl Alcohol

Production of ethyl alcohol in 1958 reached 258.8 million gallons, 25.0 million more than in 1957 and the largest for any year since 1945. The shift from molasses and grain to petroleum products and other materials in making ethyl alcohol became more pronounced in 1958. A record 221.8 million gallons of ethyl alcohol, nearly 86 percent of the total, were made from petroleum products - ethyl sulphate and ethylene gas - in 1958 compared with 85.5 percent in 1957. Ethyl alcohol produced from molasses in 1958 amounted to 22.1 million gallons, less than nine percent of the total as against a little over 11 percent in 1957. Only 1.5 percent of the ethyl alcohol produced in 1958 came from grain, but the 4.3 percent produced from all other materials was up sharply from the previous year.

### Ethyl Alcohol Prices

Average wholesale prices of ethyl alcohol stood at 47¢ per gallon in New York from January-September. This level had been maintained since July 1956. However, prices went up 5¢ per gallon to 52¢ in October and remained at that level the rest of 1958.

## FOREIGN DEVELOPMENTS

World molasses production, based on sugar output, continued to rise in 1958. Although the amount of molasses fed to livestock increased in many of the principal producing areas, close to one-half billion gallons changed hands in international trading during 1958.

Cuba - the world's largest molasses producer - is expected to produce around 247 million gallons of blackstrap molasses in 1958-59 as against 231 million in 1957-58. In 1957, Cuba exported about half of its molasses. The rest was used domestically. In 1958, however, the closing of many Cuban alcohol distilleries released additional molasses for export.

More beet molasses is indicated for all Europe. The 1958-59 crop is forecast at 83.5 million tons as against 79.8 million the previous year. Major increases were in the United Kingdom, France, West and East Germany, Hungary, Spain, and the Netherlands.

Production of cane molasses, on the basis of preliminary sugar data, during 1958-59 is expected to be about the same or slightly less than in 1957-58 in Taiwan, India, Indonesia, Australia and the Philippines.

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Table 1.--Feed and industrial molasses: Mainland production, in shipments, imports and exports, 1942-58

Year	Mainland production						Shipments to mainland from Territories		
	Cane	Beet	Refiners' black-strap	Citrus	Hydrol $\frac{1}{2}$	Total	Hawaii	Puerto Rico	Total
				- 1,000 gallons -					
1942..	27,883	25,866	21,615	-	19,884	95,248	36,838	12,098	48,936
1943..	32,672	24,040	28,683	-	18,638	104,033	49,805	10,025	59,830
1944..	35,841	35,937	33,944	2,650	17,668	126,040	38,531	17,632	56,163
1945..	34,804	40,943	30,041	3,960	17,169	126,917	36,942	16,268	53,210
1946..	28,450	43,708	25,111	8,058	16,716	122,043	32,226	17,287	49,513
1947..	27,942	34,265	34,653	10,342	20,261	127,463	37,461	31,956	69,417
1948..	40,305	38,038	35,612	10,953	18,364	143,272	44,271	44,811	89,082
1949..	44,362	40,852	32,944	7,259	19,031	144,448	42,523	43,589	86,112
1950..	44,814	61,333	34,326	7,929	21,388	169,790	41,076	31,224	72,300
1951..	44,350	45,578	32,775	11,926	18,411	153,040	41,572	49,951	91,523
1952..	51,901	38,583	36,221	9,333	18,063	154,101	37,942	52,252	90,194
1953..	48,682	47,628	35,123	7,382	18,792	158,607	47,558	32,651	80,209
1954..	46,050	52,351	31,836	8,804	17,873	156,914	46,530	37,558	84,088
1955..	49,187	52,061	32,954	8,422	15,502	158,126	50,413	44,232	94,645
1956..	38,067	51,955	40,303	7,878	16,851	155,054	49,401	34,726	84,127
1957..	42,532	63,171	39,370	10,474	16,249	171,796	54,140	20,439	74,579
1958 2/3	40,000	62,000	40,012	6,328	20,336	168,676	43,974	29,000	72,974

Year	U. S. imports					Mainland exports 3/	Available supplies
	Cuba	Dominican Republic	Mexico	Other	Total		
					- 1,000 gallons -		
1942..	194,031	8,173	8,477	3,849	214,530	435	358,279
1943..	145,220	0	3,102	3,064	151,386	232	315,017
1944..	249,584	40,832	70	7,986	298,472	150	480,525
1945..	113,614	17,546	0	6,362	137,522	1,621	316,028
1946..	57,968	18,458	10,021	6,743	93,190	959	263,787
1947..	105,387	21,328	21,160	7,130	155,005	618	351,267
1948..	139,258	20,364	33,114	12,523	205,259	8,176	429,437
1949..	161,872	17,743	23,595	11,566	214,776	2,233	443,103
1950..	186,784	16,828	21,184	19,045	243,841	2,331	483,600
1951..	130,472	16,693	25,195	56,029	228,389	2,649	470,303
1952..	186,676	27,946	21,547	59,952	296,121	897	539,519
1953..	291,352	26,199	31,829	61,385	410,765	1,563	648,018
1954..	202,940	23,516	37,810	76,142	340,408	4,843	576,567
1955..	232,696	34,573	43,277	67,266	377,812	4,863	625,720
1956..	232,329	31,652	29,820	58,288	352,089	879	590,391
1957..	117,471	21,789	40,059	52,217	231,536	2,545	475,366
1958..	189,982	24,761	46,539	74,580	335,862	2,166	2/ 575,346

1/ Prior to 1955 estimated by multiplying total domestic dextrose sales and exports by a constant, assuming 2.58 gallons of hydrol per 100 pounds of dextrose.

2/ Estimated.

3/ Do not include exports from Hawaii and Puerto Rico.

Source: CSS Sugar Division, Bureau of the Census, Florida Citrus Processors Association, Hawaiian Sugar Planters Association, and Price-Waterhouse and Company.

Table 2.--Molasses: Estimated utilization, United States, 1942-58

Year	Alcohol plants and distilleries			Mixed feeds, <sup>1</sup>		Other uses			Total utilization
	Ethyl alcohol:	Other products:	Distilled spirits:	Total	Direct feeding and silage	Yeast, citric acid, and vinegar:	Edible molasses:	Total	
- Million gallons -									
1942.....	222.7	27.7	6.7	257.1	50.7	38.5	12.0	50.5	358.3
1943.....	168.8	40.2	9.9	218.9	41.9	38.5	15.7	54.2	315.0
1944.....	313.7	43.7	10.6	368.0	62.3	41.2	9.0	50.2	480.5
1945.....	146.9	32.8	12.4	192.1	66.3	47.3	10.3	57.6	316.0
1946.....	73.2	40.4	3.5	117.1	78.3	46.6	21.8	68.4	263.8
1947.....	139.2	19.2	2.8	161.2	127.7	51.0	11.4	62.4	351.3
1948.....	135.6	11.1	3.1	149.8	220.3	51.0	8.3	59.3	429.4
1949.....	151.1	20.0	4.3	175.4	209.2	51.0	7.5	58.5	443.1
1950.....	142.9	17.7	2.4	163.0	262.6	51.0	7.0	58.0	483.6
1951.....	151.7	6.6	2.6	160.9	250.4	52.0	7.0	59.0	470.3
1952.....	158.8	8.0	2.4	169.2	310.3	53.0	7.0	60.0	539.5
1953.....	180.2	25.6	2.6	208.4	376.6	55.0	8.0	63.0	648.0
1954.....	56.6	28.9	2.3	87.8	418.8	60.0	10.0	70.0	576.6
1955.....	82.5	36.1	2.7	121.3	427.4	65.0	12.0	77.0	625.7
1956.....	78.7	30.6	2.6	111.9	394.5	70.0	14.0	84.0	590.4
1957.....	45.2	11.2	2.8	59.2	332.2	70.0	14.0	84.0	475.4
1958 4/	51.8	7.3	2.5	61.7	428.6	70.0	15.0	85.0	575.3

1/ Chiefly butyl and acetone.

2/ Chiefly rum and gin.

3/ Molasses utilized in feeds is a residual item. Calculated by subtracting molasses used in alcohol plants and distilleries, and other uses from total mainland molasses supplies, without considering changes in stocks.

4/ Estimated.



Table 3.--- Molasses: Production, exports and shipments to the United States from principal supplying areas, 1942-58

[illegible]

1 Includes 131.7 million gallons of high-test molasses in 1954, 231.5 million in 1955, 111.4 million in 1956, and 87.5 million in 1958.

2/ Estimated.

Source: Bureau of the Census, Cuban Sugar Stabilization Institute, Association of Sugar Producers of Puerto Rico, California and Hawaiian Sugar Corporation, Ltd., and the Hawaiian Sugar Planters Association.

Table 4.--Molasses, inedible: U. S. imports by country of origin, 1954-58

Country of origin	1958	1957	1956	1955	1954
- 1,000 gallons -					
Canada.....	1,748	1,447	1,708	881	2,084
Mexico.....	46,539	40,059	29,820	43,277	37,810
Nicaragua.....	2,579	2,694	1,295	1,667	2,007
Cuba.....	189,982	117,471	232,329	232,696	202,940
Jamaica.....	7,347	5,909	4,073	9,265	12,155
Haiti.....	3,112	5,970	3,831	3,572	2,408
Dominican Republic.....	24,761	21,789	31,652	34,573	23,516
Leeward Islands.....	-	-	1,010	-	370
Barbados.....	4,767	6,364	3,849	953	812
Trinidad.....	2,222	21	153	1,531	1,305
French West Indies.....	4,336	1,839	3,207	2,758	883
British Guiana.....	-	-	-	1,061	185
Ecuador.....	4,626	2,851	3,329	2,390	1,104
Peru.....	4,605	3,540	1,813	2,710	6,063
Denmark.....	4,712	-	-	-	671
Netherlands.....	6,143	1,705	1,943	1,957	7,600
France.....	9,446	11,913	13,540	13,318	13,324
West Germany.....	-	-	-	-	2,776
Italy.....	-	-	738	-	-
Spain.....	553	-	-	-	-
Turkey.....	-	-	-	-	1,300
Indonesia.....	2,213	-	2,220	-	-
Philippine Republic.....	4,181	4,926	8,681	13,467	5,854
Taiwan (Formosa).....	2,313	-	3,444	9,617	10,080
Egypt.....	7,897	3,038	1,816	-	-
Mauritius.....	456	-	1,638	2,119	5,161
United Kingdom.....	1,107	-	-	-	-
Madagascar.....	217	-	-	-	-
Total.....	335,862	231,536	352,089	377,812	340,408

Source: Bureau of the Census

Table 5.--Molasses, inedible: U. S. exports by country of destination, 1954-58 <sup>1/</sup>

Country	1958	1957	1956	1955	1954
- 1,000 gallons -					
United Kingdom.....	11,899	20,299	9,250	7,716	5,050
Canada.....	3,876	1,638	4,230	3,166	2,572
Netherlands.....	1,045	-	-	-	2,873
Other.....	145	10	3	13	7
Total.....	16,965	21,947	13,483	10,895	10,502

<sup>1/</sup> Includes exports from Hawaii and Puerto Rico.

Source: Bureau of the Census

Table 6.--Molasses, blackstrap: Price by months, f.o.b. tank car, New Orleans and New York, 1949-58

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Cents per gallon--													
<u>New Orleans</u>													
1949.....	19.00	19.00	19.00	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.20	9.60
1950.....	6.00	6.00	6.40	7.00	7.44	9.88	13.00	16.55	19.75	25.25	29.85	31.50	14.88
1951.....	34.20	35.00	34.88	34.12	33.60	33.00	32.41	31.20	29.81	29.10	29.50	29.50	32.19
1952.....	29.00	27.75	26.43	24.50	21.60	18.60	17.20	14.93	12.35	9.58	9.12	9.50	18.38
1953.....	10.00	10.25	11.30	11.37	10.75	10.30	10.56	11.12	11.50	11.06	10.06	10.37	10.72
<u>New York</u>													
1954.....	10.69	10.18	10.10	10.93	10.75	10.37	10.31	10.75	10.50	10.25	9.97	9.75	10.38
1955.....	10.00	10.12	10.69	10.62	10.46	10.00	10.62	10.50	10.25	10.25	10.19	10.37	10.34
1956.....	11.76	13.25	13.31	13.00	13.88	15.20	15.50	16.38	17.65	22.00	25.62	27.91	17.12
1957.....	27.78	27.16	25.75	24.66	23.03	20.62	19.02	18.15	16.97	14.48	11.78	13.18	20.22
1958.....	13.31	13.09	13.47	14.30	14.40	14.40	14.43	14.25	14.13	13.75	13.06	12.63	13.77
<u>New York</u>													
1949.....	15.25	9.75	9.00	8.70	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.10	9.05
1950.....	8.00	8.00	8.00	8.00	8.40	10.90	14.00	17.55	20.75	26.25	30.85	32.50	16.10
1951.....	36.50	36.50	36.50	36.50	36.00	36.00	36.00	36.00	36.00	35.50	33.50	33.50	35.64
1952.....	33.50	31.50	28.62	26.70	23.50	21.00	19.25	17.25	14.40	11.12	10.12	10.50	20.62
1953.....	11.00	11.38	12.20	12.50	12.50	12.10	12.00	12.50	12.70	12.50	12.28	12.40	12.17
<u>New York</u>													
1954.....	12.50	11.75	11.62	12.00	12.00	12.00	12.00	12.00	12.00	11.75	11.50	11.50	11.88
1955.....	11.60	11.60	12.38	12.50	12.50	12.50	12.50	12.50	12.50	12.88	13.00	13.62	12.51
1956.....	14.86	16.00	16.00	16.00	16.20	16.50	16.50	17.31	18.00	21.00	26.00	29.00	18.61
1957.....	29.00	28.80	28.33	28.00	28.00	27.62	26.50	23.75	22.75	21.30	20.12	18.00	25.18
1958.....	18.00	18.00	18.00	18.00	18.00	18.00	18.05	18.00	18.00	17.00	17.00	16.20	17.69

Table 7.--Molasses, blackstrap: Price by months, f.o.b. tank car, 1954-58

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
	<b>--Cents per gallon--</b>												
	<u>Albany</u>												
1954.....	13.00	12.50	12.00	12.50	12.50	12.50	12.50	12.50	12.50	12.25	12.00	12.00	12.40
1955.....	12.00	12.00	12.80	13.00	13.00	13.00	13.00	13.00	13.00	13.37	13.50	14.25	12.99
1956.....	15.50	16.50	16.50	16.50	16.70	17.00	17.50	17.81	18.50	21.70	26.50	29.50	19.18
1957.....	29.50	29.37	28.83	28.50	28.50	28.50	27.10	24.25	23.25	21.80	20.75	18.50	25.74
1958.....	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	17.50	17.50	16.70	18.18
	<u>Chicago</u>												
1954.....	15.72	15.12	15.20	15.69	15.44	15.25	15.00	15.50	15.38	15.08	15.00	14.86	15.27
1955.....	14.81	14.75	15.50	15.50	15.32	15.02	15.22	15.32	15.00	15.00	15.18	15.37	15.17
1956.....	16.62	17.80	17.80	17.87	18.68	20.25	20.42	21.35	22.37	27.38	31.07	32.83	22.04
1957.....	32.92	32.30	30.80	29.56	27.70	25.87	24.10	23.40	21.97	19.76	17.12	18.06	25.30
1958.....	18.41	18.30	18.63	19.52	19.50	19.40	19.52	19.37	19.30	19.08	18.33	17.92	18.94
	<u>Kansas City</u>												
1954.....	18.22	17.75	17.94	18.50	18.10	17.86	17.90	18.28	17.95	17.80	17.64	17.40	17.94
1955.....	17.58	17.50	18.16	18.60	17.75	17.60	17.82	18.00	17.72	17.65	17.90	17.95	17.85
1956.....	19.48	18.40	18.72	18.65	19.62	21.17	21.04	22.30	22.82	27.26	31.10	33.70	22.85
1957.....	33.62	32.95	31.60	30.16	28.52	26.60	24.98	24.12	22.57	20.18	17.47	18.98	25.98
1958.....	19.07	18.85	19.33	20.12	20.32	20.40	20.16	20.02	19.90	19.68	18.87	18.48	19.60
	<u>West Coast</u>												
	(Seattle, Portland, Richmond, Tacoma, Stockton and Los Angeles)												
1954.....	10.50	10.50	10.62	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.10	10.53	10.91
1955.....	10.50	10.50	11.22	11.70	11.70	11.70	11.70	11.70	11.70	12.60	13.38	13.80	11.85
1956.....	14.64	14.98	14.97	14.90	15.08	16.40	16.40	16.70	17.63	18.41	20.50	20.57	16.76
1957.....	20.70	21.82	22.20	22.20	21.35	20.50	19.78	19.00	18.10	15.92	14.60	14.00	19.18
1958.....	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.60	14.18	13.50	14.47



Table 8.--Beet, citrus and corn (hydrol) molasses: Prices, f.o.b. tank car, by months, 1954-58

Type and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Dollars per ton--													
<u>Beet molasses</u>													
Denver													
1954.....	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	31.40	31.00	32.70
1955.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	30.25	30.00	30.00	30.77
1956.....	30.00	30.00	30.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	40.00	45.00	34.42
1957.....	45.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	34.00	32.00	32.00	32.00	38.33
1958.....	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	30.75	30.00	31.73
Colorado, Wyoming and Montana (except Missoula)													
1954.....	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	28.60	28.00	29.72
1955.....	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	29.50	30.00	30.00	28.46
1956.....	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	38.00	38.00	38.00	43.25	33.10
1957.....	45.00	43.50	43.50	43.50	43.50	38.30	37.00	34.00	32.00	32.00	32.00	32.00	38.98
1958.....	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
Oregon, Utah, Idaho and Missoula, Montana													
1954.....	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	28.80	28.00	29.73
1955.....	28.00	28.00	28.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	29.37
1956.....	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	33.20	34.00	34.00	30.93
1957.....	35.50	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	36.40	35.37	36.69
1958.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	34.25	32.50	31.00	34.40
<u>Citrus molasses:</u>													
Florida points													
1954.....	13.12	13.22	13.36	13.07	12.60	12.40	12.19	12.52	12.62	13.21	15.00	15.00	13.20
1955.....	15.00	15.00	15.15	15.14	15.56	16.30	16.46	16.25	15.31	15.00	17.27	18.80	15.94
1956.....	18.80	18.92	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	20.50	25.00	19.60
1957.....	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	23.75	19.00	24.40
1958.....	19.50	17.00	17.13	18.60	19.00	19.00	19.00	19.56	21.60	20.00	20.31	21.00	19.31
<u>Corn (hydrol) molasses</u>													
Chicago													
1954.....	20.00	21.00	21.00	21.00	21.00	21.00	20.50	19.00	19.00	18.25	18.00	18.00	19.81
1955.....	17.50	18.00	18.60	19.00	19.40	20.00	18.00	18.00	18.00	18.00	18.00	18.75	18.44
1956.....	21.00	21.00	22.00	22.00	22.80	25.12	26.50	26.12	27.00	33.16	39.33	45.00	27.59
1957.....	46.00	43.25	43.00	43.62	43.00	39.75	36.20	31.69	30.56	28.00	24.25	23.50	36.07
1958.....	24.50	23.13	22.63	23.00	22.75	22.44	22.10	21.68	21.20	21.56	21.87	21.85	22.39



Table 9.--Price comparisons between molasses and No. 2 yellow corn at New York, Chicago and Kansas City, 1949-58

Year	New York			Kansas City			Chicago		
	Corn	Molasses	Difference	Corn	Molasses	Difference	Corn	Molasses	Difference
	--Data in cents-- 1/								
1949.....	157.1	58.8	+ 98.3	131.3	81.9	+ 49.4	-	-	-
1950.....	174.0	104.7	+ 69.3	143.0	138.4	+ 4.6	-	-	-
1951.....	205.9	231.7	- 25.8	176.0	254.2	- 78.2	181.8	248.4	- 66.6
1952.....	204.8	134.0	+ 70.8	180.8	167.7	+ 13.1	179.6	153.0	+ 26.6
1953.....	182.5	79.1	+ 106.1	157.8	118.4	+ 39.4	159.1	100.9	+ 58.2
1954.....	185.7	77.2	+ 108.5	159.2	116.7	+ 42.5	159.7	99.1	+ 60.6
1955.....	161.2	81.1	+ 80.1	148.2	116.1	+ 32.1	141.4	98.5	+ 42.9
1956.....	169.8	109.5	+ 60.3	149.7	136.4	+ 13.3	145.2	130.0	+ 15.2
1957.....	156.8	163.7	- 6.9	130.4	204.2	- 73.8	129.2	199.3	- 70.1
1958.....	156.3	115.0	+ 41.3	120.0	127.4	- 7.4	125.5	123.1	+ 2.4

1/ Six and one-half gallons of molasses are the carbohydrate equivalent of one bushel of corn.

Table 10.--Molasses used in the production of ethyl alcohol, by months, 1955-58

Month	1958	1957	1956	1955
	--1,000 gallons--			
January.....	7,744	2,295	7,779	3,747
February.....	7,146	2,026	9,433	3,480
March.....	5,050	3,079	9,896	3,797
April.....	4,089	520	9,137	6,547
May.....	6,306	359	9,278	7,596
June.....	3,202	556	8,986	6,804
July.....	3,209	3,489	5,764	6,415
August.....	1,070	6,482	4,926	6,814
September.....	3,207	7,568	3,803	8,981
October.....	4,606	6,026	3,376	10,484
November.....	3,296	5,518	3,333	9,825
December.....	2,864	7,263	2,996	7,963
Total.....	51,789	45,181	73,707	82,453

Source: Internal Revenue Service

Table 11.--Ethyl alcohol: Production from specified raw materials, 1942-58

Year	Ethyl alcohol produced from										Total 3/
	Molasses		Petroleum products		Grain		All other materials		Percent of total	Quantity in 1,000 gallons	
	Quantity in 1,000 gallons	Percent of total	Quantity in 1,000 gallons	Percent of total	Quantity in 1,000 gallons	Percent of total	Quantity in 1,000 gallons	Percent of total			
1942...	113,681	52.2	49,395	22.7	28,625	13.1	26,186	12.0		217,887	
1943...	78,444	28.9	55,646	20.5	98,851	36.4	38,281	14.2		271,222	
1944...	133,539	35.6	59,054	15.8	110,917	29.6	71,379	19.0		374,889	
1945...	61,839	22.3	61,986	22.4	129,913	46.9	23,092	8.4		276,830	
1946...	29,967	23.1	69,895	53.9	18,449	14.2	11,262	8.8		129,573	
1947...	59,249	35.7	74,133	44.7	25,813	15.6	6,786	4.0		165,981	
1948...	56,985	33.4	80,565	47.2	10,012	5.9	23,113	13.5		170,675	
1949...	75,197	44.5	75,989	45.0	5,256	3.1	12,410	7.4		168,852	
1950...	53,626	26.4	109,074	53.8	27,278	13.5	12,819	6.3		202,797	
1951...	64,862	25.7	125,433	49.6	57,165	22.6	5,298	2.1		252,758	
1952...	69,252	30.1	117,746	55.6	27,527	12.0	5,410	2.3		219,935	
1953...	77,020	32.4	147,621	62.0	3,345	1.4	10,057	4.2		238,043	
1954...	24,804	12.2	159,848	78.5	5,821	2.8	13,197	6.5		203,670	
1955...	42,944	18.1	179,662	72.3	3,416	1.3	13,467	8.3		239,428	
1956...	49,999	20.2	186,133	75.3	3,312	1.3	8,125	3.2		247,569	
1957...	26,628	11.4	199,670	85.4	6,314	2.7	1,194	0.5		233,806	
1958...	22,106	8.5	221,779	85.7	3,921	1.5	11,027	4.3		258,833	

1/ Ethyl sulphate prior to 1950, with the addition of ethylene gas after that year.

2/ Chiefly sulphite liquors, cellulose pulp, chemical and crude alcohol mixtures, whey, pineapple juice, grain and molasses mixtures, and potatoes and potato products.

3/ Does not include the quantity of unfinished products used in redistillation.

Table 12.--Ethyl alcohol, 190 proof: Average wholesale price, tax free, tank-car lots, New York  
1942-58

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
							- Cents per gallon -					
1942....	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
1943....	52.0	52.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1944....	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1945....	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.5	52.7	55.5
1946....	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	76.9	84.0
1947....	84.0	84.0	84.0	98.0	98.0	98.0	98.0	87.0	87.0	90.6	96.0	2/94.9
1948....	94.5	94.5	93.0	91.0	88.0	86.5	85.0	77.5	75.0	75.0	62.5	46.2
1949....	38.5	24.5	21.0	21.0	21.0	21.0	29.0	29.0	29.0	29.0	29.0	29.0
1950....	29.0	29.0	32.0	35.0	35.0	37.0	39.0	39.0	75.0	85.0	90.0	90.0
1951....	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1952....	75.0	75.0	75.0	75.0	55.0	55.0	55.0	55.0	55.0	55.2	44.1	40.0
1953....	40.0	40.0	40.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	46.0	43.0
1954....	43.0	43.0	42.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
1955....	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
1956....	41.5	42.0	42.0	42.0	42.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0
1957....	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
1958....	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	52.0	52.0	52.0

1/ Prices were controlled from January 1942 to October 1946.

2/ In the second week of December the price quotation changed from a price "at works" to a price "Delivered east of the Mississippi River."

Source: Oil, Paint and Drug Reporter

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